Buyers Guide | BTS 2023

Acer Nitro V

ANV15-51-57C8

intel CORE i5

nvidia GEFORCE RTX

Windows 11

Model	Acer® Nitro V ANV15-51-57C8 Gaming Laptop
MSRP	$749.99
On-Shelf Date	October 6, 2023

Live For Victory

Elevate your gaming adventure with the Acer Nitro V 15, your gateway to an adrenaline-charged journey. This laptop is the perfect blend of power and style, pushing the boundaries of what's possible on a laptop. Powered by a 13th Gen Intel® Core™ processor and NVIDIA® GeForce RTX 20-series graphics and showcasing a crystal-clear 15.6" Full HD display with a 144Hz IPS panel - you can see why the Nitro V 15 is a knockout hit for gamers of every level.

High Level Specifications

- Intel® Core™ i5-13420H Processor - up to 4.6GHz, 8 cores, 12 threads, 12MB Intel Smart Cache
- NVIDIA® GeForce RTX™ 2050 Laptop GPU with 4GB of dedicated GDDR6 VRAM, supporting NVIDIA® GeForce® Experience, Real-Time Ray Tracing Cores, NVIDIA® WhisperMode, NVIDIA® GPU Boost™
- 15.6" Full HD (1920 x 1080) widescreen LED-backlit IPS display with 144Hz Refresh Rate, 16:9 aspect ratio
- 8GB DDR5 Memory and 512GB PCIe Gen 4 SSD (1 PCIe Gen 3 Slot Available)
- DTS: X® Ultra Audio, Acer TrueHarmony Technology and Two Built-in Stereo Speakers
- 802.11ax Wi-Fi 6 Dual-Band 2.4GHz and 5GHz featuring 2x2 MU-MIMO technology
- 10/100/1000 Gigabit Ethernet LAN
- Supports Bluetooth® 5.1 or above
- Dual Fan Cooling System and Dual Intake
- 1 - USB Type-C Port USB 3.2 Gen 2 (up to 10 Gbps) DisplayPort over USB Type-C, Thunderbolt™ 4 & USB Charging
- 1 - USB 3.2 Gen 2 Port (Featuring Power-off Charging)
- 2 - USB 3.2 Gen 1 ports
- 1 - HDMI™ 2.1 Port with HDCP support
- 1 - Headphone/Speaker/Line-out Jack with Support
- Acer Purified.Voice™ Technology with AI Noise Reduction & Two Built-in Microphones
- Acer PurifiedView™ with Background Blur, Automatic Framing and Gaze Correction
- HD Webcam (1280 x 720) with Blue Glass Lens (which reduces lens flares) supporting 720 HD Video
- Acer's TNR (Temporal Noise Reduction) technology for high-quality imagery in low-light
- Backlit Keyboard
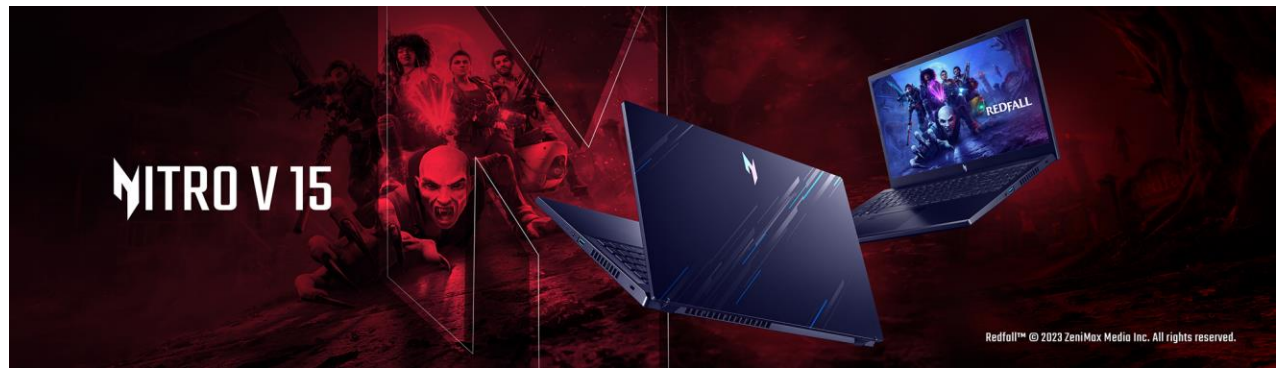- Lithium-ion 57 Watt Hour Battery
- Windows 11 Home

What's in the Box

- Laptop, 135W AC Adapter & Power Cord

Key Features

intel CORE i5 | NVIDIA GEFORCE RTX | Windows 11 | THUNDERBOLT | 144Hz

USB 3.2 Reversible Type-C Connector | USB 3.2 Power-Off USB Charging | 1920 X 1080 FULL HD | Wi-Fi 6 CERTIFIED | dts X Ultra

Web Description

Acer Nitro V ANV15-51-57C8 15.6" Full HD IPS 144Hz Display, 13th Gen Intel Core i5-13420H, NVIDIA GeForce RTX 2050 Laptop GPU, 8GB DDR5, 512GB PCIe Gen 4 SSD, Wi-Fi 6 802.11ax, Gigabit Ethernet, Thunderbolt 4, Backlit Keyboard, Windows 11 Home

Features

Beyond Performance

Empower your gaming and creativity with the Nitro V 15, combining a 13th Gen Intel® Core™ i5 processor with the NVIDIA® GeForce RTX™ 20-Series Laptop GPU. These powerhouses support up to Gen4 top-speed PCIe NVMe SSDs and up to 32GB of DDR5 RAM, equipping you with light-speed capabilities whether you're orchestrating a climactic battle or crafting your next visual masterpiece.

Picture-Perfect. Furiously Fast.

See your digital conquests unfold in vibrant Full HD on a 15.6" screen, perfectly timed at a quick 144Hz refresh rate and a wide 16:9 aspect ratio providing 82.64% screen-to-body ratio. Now you can land those reflexive shots with pinpoint accuracy and minimal ghosting. It's like having a portal to the gaming universe right on your lap.

Keep Your Cool

Keep your cool amidst the most fierce gaming galaxies, thanks to Nitro V 15's innovative dual fans and effective exhaust system. As you navigate interstellar conflicts, your laptop stays serene as deep space. Its gradient design mirrors the neon hues of a futuristic cityscape, immersing you deeper into your gaming universe.

Stay Connected

Your gaming sanctuary is wherever you are. On the couch? Settle in with fast and stable Wi-Fi 6. Gaming cafe? Get an edge online with Gigabit Ethernet. No matter your location, Nitro V 15 ensures you're always in the driver's seat. With the powerful Thunderbolt™ 4 port, you have the trifecta of power charging and data transfer with bidirectional movement and video display in one interface.

No Limits with NitroSense™

Channel your inner gaming strategist with the NitroSense utility app. Fine-tune your gaming setup to match your style, be it adjusting fan speeds for those heated battles or customizing lighting for immersive exploration. The power is at your fingertips, transforming your laptop into a perfectly calibrated command center for every gaming mission.

Always Be Heard and Seen

DTS® X: Ultra Audio provides a sonic advantage in your space-age battles. Experience crystal clear communication with AI-powered Acer PurifiedView and PurifiedVoice noise reduction technology. You'll feel like you're in the command center of a spaceship, with pinpoint sound accuracy giving you the edge in your gaming skirmishes.

Acer® Nitro V ANV15-51-57C8 Gaming Laptop
Detailed Product Specifications

Processor
13th Generation Intel® Core™ i5-13420H 8-Core Processor 2.1GHz with Intel® Turbo Boost Technology(1) up to 4.6GHz, Supporting hybrid core architecture with Performance-core and Efficient-core (12MB Smart Cache)

Display
15.6" Full HD (1920 x 1080) widescreen LED-backlit IPS display with 144Hz Refresh Rate, 16:9 aspect ratio

Memory
8GB DDR5 Memory[2]
Used Slots: 1 x 8GB | 1 Slot (Available)
2 DDR5 Slots (Total) - Maximum 32GB

Video
NVIDIA® GeForce RTX™ 2050 Laptop GPU with 4GB of dedicated GDDR6 VRAM, supporting NVIDIA® GeForce® Experience, Real-Time Ray Tracing Cores, NVIDIA® WhisperMode, NVIDIA® GPU Boost™, Microsoft® DirectX® 12, OpenGL® 4.6, Game Ready Drivers

Audio
DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier
Acer TrueHarmony Technology
Two Built-in Stereo Speakers
Immersive audio rendering over headphones and internal speakers
Acer Purified.Voice™ Technology with AI Noise Reduction & Two Built-in Microphones

Storage
512GB PCIe Gen 4 SSD (2 x PCIe M.2 Slots | 1 PCIe Gen 3 Slot Available)

Optical Drive
N/A

Digital Media Reader
N/A

Communications
802.11ax Wi-Fi 6 Dual-Band 2.4GHz and 5GHz featuring 2x2 MU-MIMO technology
10/100/1000 Gigabit Ethernet LAN
Supports Bluetooth® 5.1 or above

Interfaces
1 - USB Type-C Port USB 3.2 Gen 2 (up to 10 Gbps) DisplayPort over USB Type-C, Thunderbolt™ 4 & USB Charging
1 - USB 3.2 Gen 2 Port (Featuring Power-off Charging)
2 - USB 3.2 Gen 1 ports
1 - HDMI™ 2.1 Port with HDCP support
1 - Headphone/Speaker/Line-Out Jack
1 - Ethernet (RJ-45) Port
1 - DC-in Jack for AC Adapter
1 - Kensington Lock Slot

Webcam
HD Webcam (1280 x 720) with Blue Glass Lens (which reduces lens flares) supporting 720 HD Video
Acer's TNR (Temporal Noise Reduction) technology for high-quality imagery in low-light conditions

Convenience Features
Precision Touchpad (supporting Windows Modern Touchpad gestures)
Dedicated Numeric Keypad
Media Control Keys

Battery Type
Lithium-ion 57 Watt Hour Battery

Dimensions (System)
14.26 (W) x 9.44 (D) x 0.93/1.06 (H) inches
362.3 (W) x 239.89 (D) x 23.5/27 (H) mm

Dimensions (Box)
19.6 (L) x 2.56 (W) x 12.2 (H) inches
498 (L) x 65 (W) x 310 (H) mm

Weights
4.66 lbs. | 2.11 kg (system unit only)
Approximately 7.05 lbs.| 3.2 kg (box)

Pallet Quantity
102 units per pallet

Limited Warranty
One-year International Travelers Limited Warranty (ITW)[5]

Model	Color	Part Number	UPC
ANV15-51-57C8	Obsidian Black	NH.QNAAA.001	195133154420

Software
Windows 11 Home
Productivity
Acer Care Center
Microsoft® Office Trial[7]
Tools
NitroSense

Product specifications subject to change without notice

Actual product may vary from image shown

Accessible capacity varies; MB = 1 million bytes; GB = 1 billion bytes

(1) Overall system performance is based on several PC attributes. GHZ, processor clock speed, is one of the attributes. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration.

(2) Shared system memory may be allocated to support integrated graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by the amount of dedicated and shared system memory utilized by the graphics solution and resources required by the operating environment.

(3) 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management utilizes up to 8 GB (10 GB with Microsoft® Office Starter 2010 Trial) of the stated hard disk capacity as dedicated backup space.

(4) Battery life varies depending on product specifications, computer settings, and applications or features launched. All batteries' maximum capacity diminishes with time and use. Battery Life based on MobileMark® 2018 test results.

(5) For a free copy of the standard limited warranty end-users should see a reseller where Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503. TFT displays commonly exhibit a small number of discolored dots, so-called "nonconforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect and, as such, is not covered by the limited warranty or by the upgrade programs. For International travelers warranty Valid only in countries where Acer has an authorized repair facility. For a list of those countries go to http://global.acer.com/support/itw.htm. or call 800-816-2237. Services and response times may vary in countries outside the U.S. and Canada

(6) 30-days of complimentary subscription. Internet connection required to start trial

(7) Microsoft Office Trial included. After or during the 30-day trial, purchase an Office Product Key to activate one of the following Office suites preloaded on this PC: Office Home and Student, Office Home and Business, Office Professional.